EIS
Electrónica Integral de Sonido

KBSOUND®
KIT-SELECT

USER'S MANUAL ENG 2
BENUTZERHANDBUCH D 12
MANUEL DE L'USUAIRE F 22
GEBRUIKERSHANDLEIDING NL 32
MAMANUALE DELL'UTENTE I 42
BRUKERHÅNDBOK N 52

Important Safety Instructions

Before installing the unit, please read and follow the instructions provided in the Installation Manual included in this kit.

Before operating the unit, please read and follow the instuctions provided in this User´s Manual thoroughly and save it for future experience.

WARNING - To reduce the risk of fire or electric shock:

install in accordance with the manufacturer's instructions

do not expose this apparatus to dripping and splashing

do not use this product near water

do not attempt to dissamble this unit

do not block any ventilation openings

do not install near any heat sources such as radiators, stoves or other equipments that produce heat.

You are cautioned that any changes or modifications not expressly mentioned in this manual could void your authority to operate this equipment.

This product has been designed and tested to provide reasonable protection against harmful interference in residential installation. However there is no guarantee that interference will not affect in a particular installation. In these cases, reorient the receiving antenna, try to increase the separation between the equipment and the source of interference and/or connect the equipment into an outlet on a circuit different from that to which the source of interference is connected.

The entire risk of the installation, use, results and performance are borne by you.

When used as a mechanism to disconnect from the current network, a socket plug, or a device connector; the disconnecting mechanism must be easily accessible at all times. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

Only use attachments/accessories specified by the manufacturer.

Use a certified technician for installation, repair and/or maintenance of this equipment and comply with all the regulations in force in each country. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to dripping and splashing, does not operate normally, or has been dropped.

Attention should be drawn to the environmental aspects of battery disposal.

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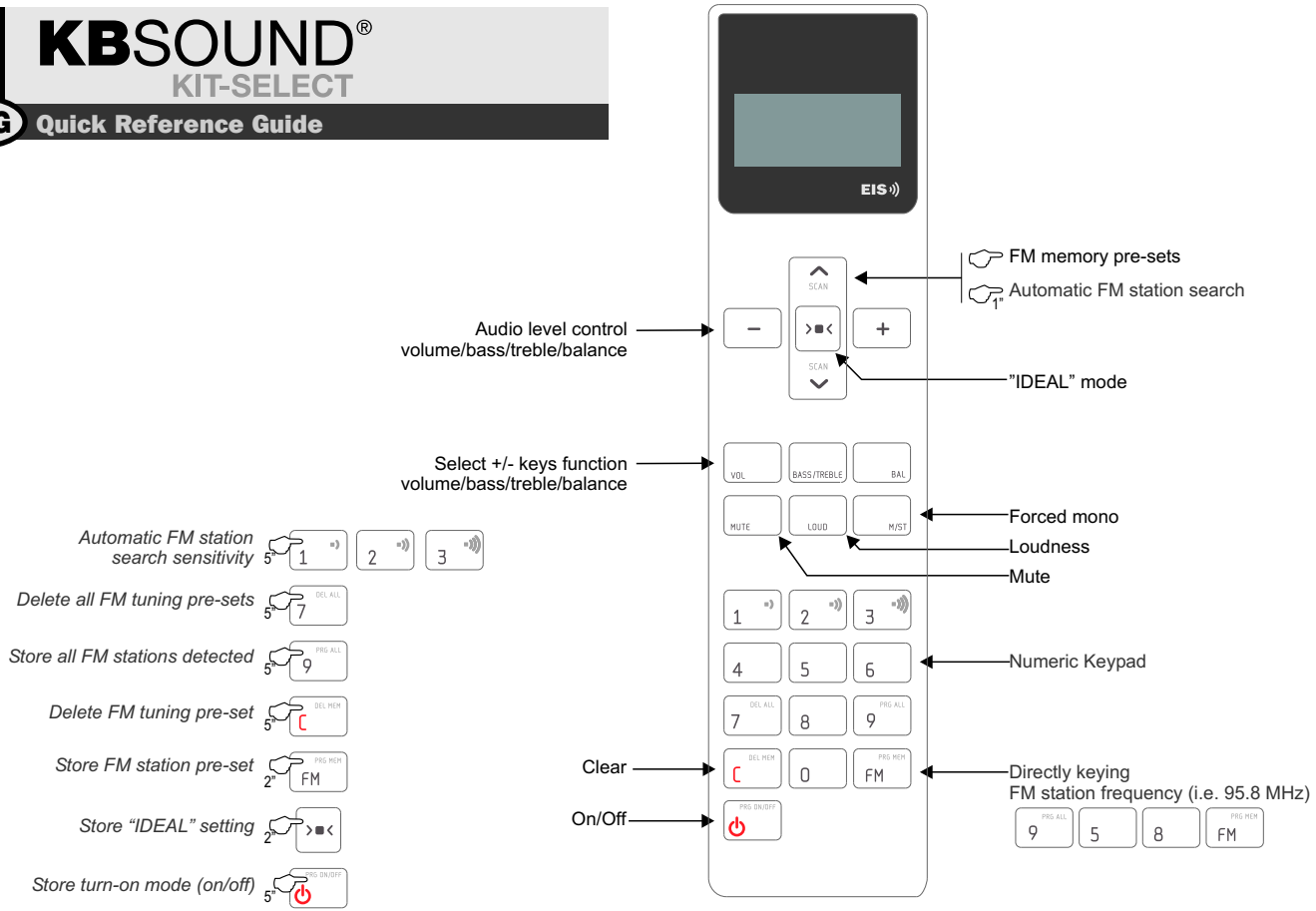
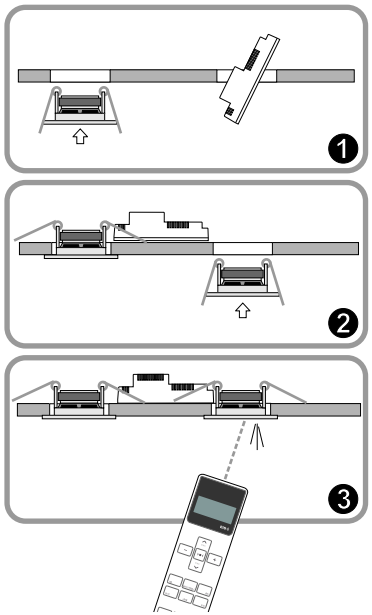
KBSOUND®
KIT-SELECT
ENG Quick Reference Guide



1. Introduction



Introducing **kb**SOUND®SELECT, a sound device especially designed for easy and quick installation, without building work, cabling or pre-installations involved. Its three components (remote control, loudspeakers and electronic device) provide an FM tuner that perfectly blends into the kitchen or bathroom décor installed in the furnishings.

Its operation is simple and easy by using a remote control unit with a display screen. The screen displays constant information about the state of the sound device installed in the ceiling, such as station frequency tuned, volume, bass, treble, etc.

Blending perfectly into the décor of the kitchen or bathroom, the **kb**SOUND®SELECT kit provides the following features:

- Remote control:
  - Display screen that visualizes the functions
  - Volume, bass, treble and balance control
  - 'Forced Mono' function
  - Ability to directly key in desired station frequency
  - Ability to automatically store into memory stations received with the best quality
  - 30 memory pre-sets
  - "Intelligent" loudness: automatic adjustment to the signal volume

- IR receiver/transmitter
- Loudspeakers the size of a halogen light (2")
- 1.5W+1.5W power
- Sound device with built-in FM tuner (does not require an external power supply)

The components supplied in this kit are for installation and use in the manner and for the purpose described in the installation manual and the user manual. The installation must also comply with each country's current regulations.
This manual assumes that the kbSOUND®SELECT **unit has been correctly installed and is fully operational. If the device has not been installed yet, follow the instructions provided in the Installation Sheet included in this kit.**

2. General Operating Notes

1.- None of the functions (except ON/OFF) work unless the remote control is in “on” mode.

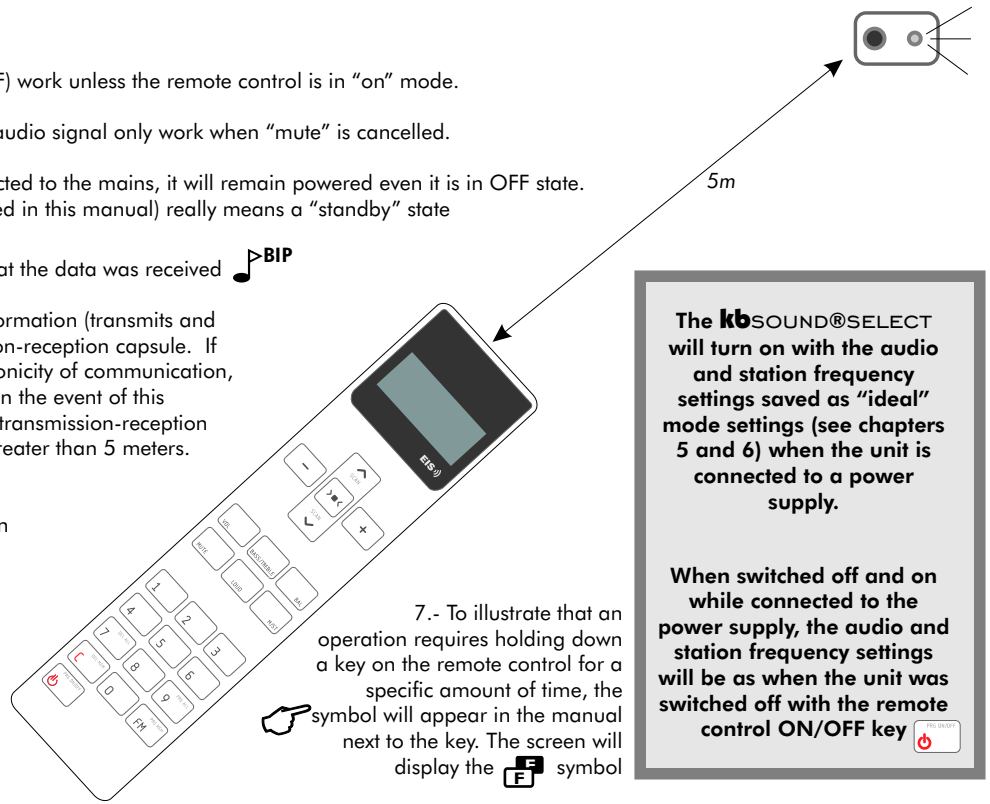
2.- Functions pertaining to operating the audio signal only work when “mute” is cancelled.

3.- Once the **kb**SOUND®SELECT is connected to the mains, it will remain powered even it is in OFF state. That means that the OFF state (as indicated in this manual) really means a “standby” state

4.- A short BEEP sound signal indicates that the data was received **BIP**

5.- The remote control unit exchanges information (transmits and receives data) by means of the transmission-reception capsule. If at any time there is a failure in the synchronicity of communication, the screen will display the symbol. In the event of this occurring, point the remote control to the transmission-reception capsule at a straight-line distance of no greater than 5 meters.

6.- The remote control display will automatically turn off when there has been no keying activity for more than a few seconds, ensuring more efficient battery usage. To view the display information at any time, point the remote control to the transmission-reception capsule and press the FM key.

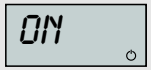
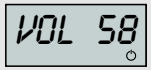
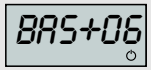
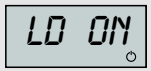


7.- To illustrate that an operation requires holding down a key on the remote control for a specific amount of time, the symbol will appear in the manual next to the key. The screen will display the F symbol

The kbSOUND®SELECT will turn on with the audio and station frequency settings saved as “ideal” mode settings (see chapters 5 and 6) when the unit is connected to a power supply.

When switched off and on while connected to the power supply, the audio and station frequency settings will be as when the unit was switched off with the remote control ON/OFF key

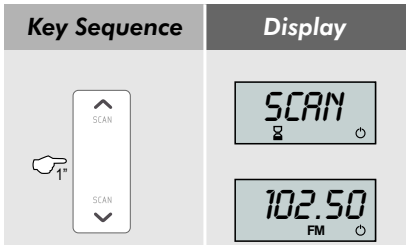
3. Operating Audio Functions

	Key Sequence	Display
If the control unit is off, a brief press on the ***ON/OFF key*** will gradually turn on the unit (between 1 and 2 seconds). The LED will display the word "ON" When the control unit is off, the LED will be OFF.		
Increase/decrease in the signal volume: The LED will flash to indicate the desired change in volume.		
Increase/decrease in bass/treble levels: The LED will flash to indicate the desired change in the bass/treble levels.		
Mute: the unit becomes silent (mute activated)		
Loudness: It reinforces the bass level in terms of the signal volume, assuming a greater backing at a lower volume and a lesser backing at a higher volume.		
Mono/stereo reception: When activated, this feature allows the FM stations to be received in stereo. When cleared, this feature only allows for mono reception. Note: If the control unit's configuration is mono (see Installation Sheet supplied with this kit), the signal will always be received in mono even if the signal received by the antenna is in stereo.		

4. Operating the FM Tuner

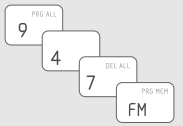
4.1 Station Search

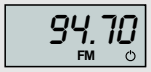
While the search is taking place, the word "SCAN" will appear on the display screen. The screen will duly display the station frequency of the next station located.



4.2 Directly Keying Station Frequency

To directly key in an FM station frequency, sequentially press the numeric keys of the station frequency then press the FM key. For example, to select 94.7, press 9 4 7 FM.



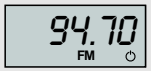


Note: A station frequency can be keyed in as either 94.7 (9 4 7 FM) or as 94.70 (9 4 7 0 FM)

If the frequency keyed in is not correct or if more digits than necessary are keyed in, the screen will display the word "ERROR"

To clear a digit keyed in and start keying in a different frequency, press the C key

and then begin keying in the desired frequency



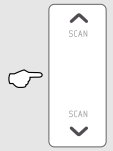
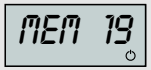
4.3 Tuning to FM Memory Pre-Sets

The SCAN keys allow you to scroll through the stations stored in memory (see Chapters 2.6 and 2.7, Storing and Clearing Stations in Memory).

When stations are stored in memory they are sorted in ascending order; that is, beginning with 87.5 and ending with 108.0.

The screen will display the frequency of the station saved to that memory pre-set.

If there are no stations stored in memory, the screen will display the word "NO MEM"

Key Sequence	Display
	

4.4 Storing and Clearing Station Frequencies Manually

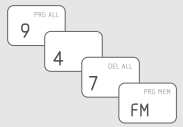
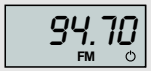
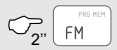
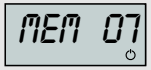
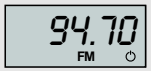
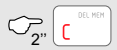
To *store a station in memory*, tune to the station (see Chapters 4.1. Station Search and 4.2. Directly Keying Station Frequency).

Hold down the FM key for 2".
The station tuned at that time will be stored in the memory.

If all the memory slots have been assigned, the current station will not be able to be stored and the screen will display the word "NO MEM"

To *delete a station from memory*, select the station and hold down the C key for 2". The station tuned at that time will be cleared from memory if it was previously stored.

If the station is not stored in memory, the screen will display the word "NO MEM"

Key Sequence	Display
	
	 
	

4. Operating the FM Tuner

4.5 Storing and Clearing Station Frequencies Automatically

To activate the *storing station frequencies automatically* process, hold down key 9 for 5".

When the automatic programming begins the screen will display the word "AUTO"

The control unit will store into memory the stations that are received with the highest quality, ordered from lowest frequency (87.5 MHz) to highest frequency (108.0 MHz).

The system will use all the memory slots available, reaching the maximum of 30.

The process can take a few moments. Once the scan has been completed or once the maximum number of memory slots has been used, the process ends and a BEEP signal sounds.

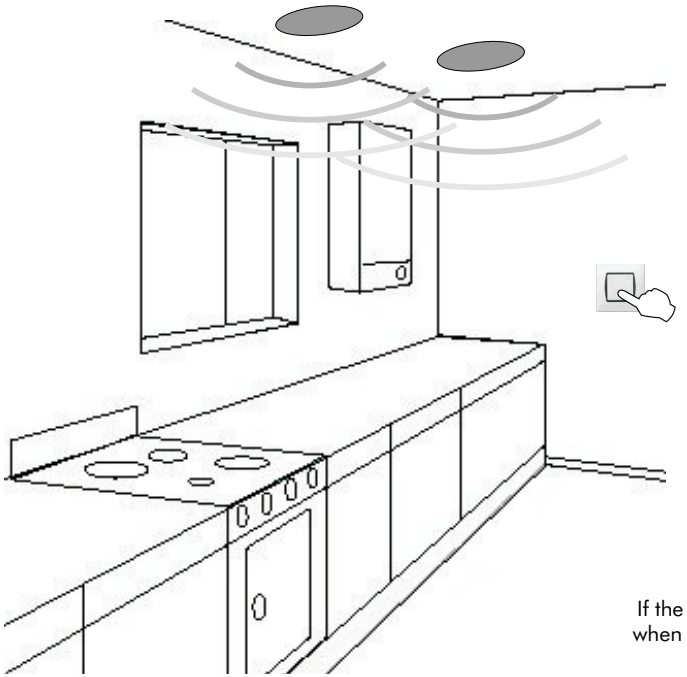
To activate the *clearing station frequencies automatically* process for all the memory slots, hold down 7 key for 5".

4.6 Adjusting Station Search Sensitivity

To adjust the automatic station search sensitivity (see 4.1. Station Search), hold down the 1 and 3 keys (1=minimum, 3= maximum) for 5"

Key Sequence	Display
5" 9	AUTO
BIP	
5" 7	DEL MEM
5" 1	SENS 2
5" 2	
5" 3	

5. Selecting Turn-On Mode



This function is designed for use in the event that the **kb**SOUND®SELECT power supply is fed by a specifically designated switch. In this case, the automatic activation mode must be programmed in order to automatically turn on the **kb**SOUND®SELECT unit when the switch is activated.
These steps must be followed:

1. Supply power to the **kb**SOUND®SELECT unit by flicking the switch. The **kb**SOUND®SELECT unit will flicker a couple of times and turn off.
2. Turn on the **kb**SOUND®SELECT unit using the remote control (ON/OFF key).
3. With the **kb**SOUND®SELECT unit turned on, keep the ON/OFF key pressed down for 5".

Key Sequence	Display
If the Turn-On mode is set to "on" in this state, when power is fed to the unit, it will turn on in "ideal" mode (see Chapter 6. "Ideal Mode").	5" PRG ON/OFF	AUTO ✓
If the Turn-On mode is set to "off", when power is fed to the unit, it will turn on in "off" mode.	5" PRG ON/OFF	AUTO X

6. “Ideal” mode

The "IDEAL" mode of operation can be instantly accessed by pressing the IDEAL key on the remote control. In this mode, a specific station is played at particular levels of volume, bass, treble and loudness.

To program your "IDEAL" mode of operation, select the desired levels of volume, bass, treble and loudness, as well as the station frequency. Then hold down the IDEAL key for 2”

Key Sequence	*Display*

7. Technical Specifications

42696 , 42697	MIN	NORMAL	MAX		COMMENTS
Measurements		181x50x52		mm	
Voltage		230		Vac	mod.42696, 50Hz, terminals F,N
		120		Vac	mod.42697, 60Hz, terminals F,N
Consumption demand			10	W	terminals F,N
Output signal (16 ohms)			1,5	W	terminals D,I
Passband	20		15.000	Hz	
Distortion		0,1	0,4	%	
Frequency range	87,5		108	MHz	
Antenna impedance		75		ohms	terminals A,M
Antenna sensitivity		3,5	5	uV	
Tuner distortion			2	%	
Number of station pre-sets			30		

CONNECTING TERMINALS

F	Power supply
N	Power supply
I	Left loudspeaker output (red terminal/+)
D	Right loudspeaker output (red terminal/+)
C	Common loudspeaker ouput (black terminals/-)
IRD	Receiver can remote control connector
A	FM tuner antenna signal
M	FM tuner antenna mass

6446 0032

CENTRAL

Polígono Malpica Calle F Oeste
Grupo de Naves Gregorio Quejido, 87-88
50016 Zaragoza (España)

Tel.: 34 976 465550
Fax: 34 976 465559
comercial@eissa.com

MADRID

Paseo de Europa 13, 2°B
28700 San Sebastián de los Reyes
Madrid (España)

Tel.: 34 91 6593678
Fax: 34 91 6239525
delegacionmadrid@eissa.com

www.eissa.com

Electrónica Integral de Sonido

AENOR
ER
Empresa Registrada
ER-0634/1998

CERTIFIED IQNet MANAGEMENT SYSTEM

CE

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installé:
installiert:
installati:
installert av:

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